Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/23/2019 01:07 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124363	-1	2.05	124417	2.04
Blue	F	SSC	125000	125097	0	1.80	125996	1.83
Blue	E	FITC	16694	16439	-2	3.29	382	22.01
Blue	D	PE	32792	32165	-2	2.31	713	16.44
Blue	B	PerCP-Cy5-5	44451	43954	-2	4.51	1202	23.94
Blue	A	PE-Cy7	33645	33083	-2	7.97	598	51.02
Red	C	APC	47008	46688	-1	2.88	1807	13.66
Red	A	APC-Cy7	32298	31557	-3	2.99	785	14.43
Violet	B	V450	8961	8725	-3	4.17	484	14.30
Violet	A	V500	32726	31890	-3	3.78	772	10.95

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20892	6.64	613	0	N/A	N/A	Pass
Blue	F	SSC	56601	1.47	585	17	N/A	N/A	Pass
Blue	E	FITC	64	72.41	570	7	0.0153	142	Pass
Blue	D	PE	138	60.58	575	9	0.1330	330	Pass
Blue	B	PerCP-Cy5-5	222	58.71	685	14	0.0068	63	Pass
Blue	A	PE-Cy7	111	134.42	743	17	0.0081	35	Pass
Red	C	APC	411	29.30	616	3	0.0181	122	Pass
Red	A	APC-Cy7	193	33.05	588	3	0.0045	1249	Pass
Violet	B	V450	71	70.60	481	-5	0.0476	2594	Pass
Violet	A	V500	109	37.07	491	-5	0.0197	814	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/23/2019 01:07 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.13	-31.93	1.14
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	15.96	13.60 - 20.40	N/A	N/A	29.02	29.35	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9800

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments